

- ◆ Combines VHF FM (84.5-108 MHz) to VHF Public Safety (148-300 MHz)
- ◆ High Input Isolation
- ◆ High Average Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability
- ◆ RoHS compliant



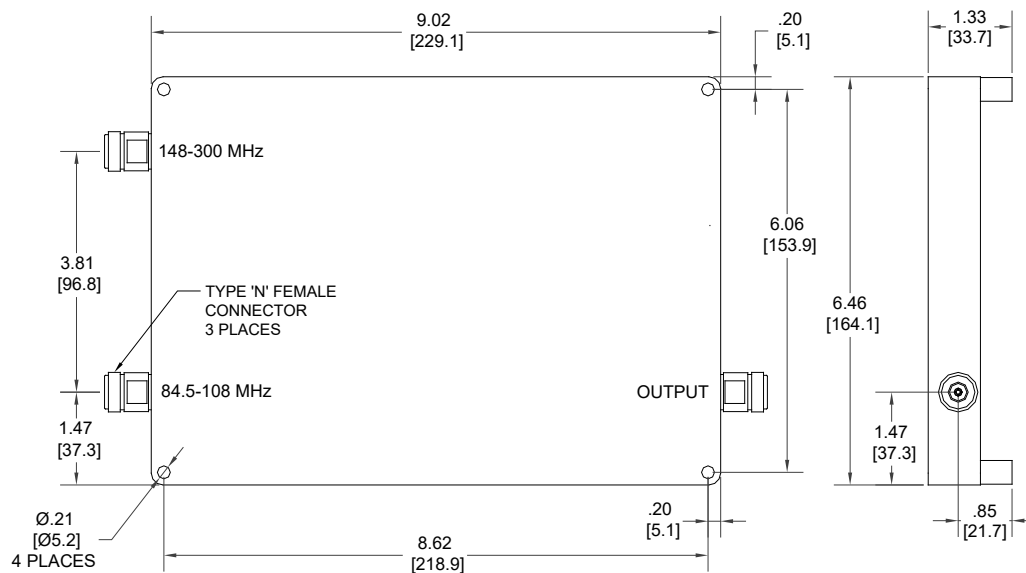
Model Number	Connectors (female)	Weight, nom. lb (kg)
BK-05D	7-16	3.0 (1.4)
BK-05N	N	3.0 (1.4)

	Pass Bands, MHz	Input Isolation	Pass Band Loss	Power Rating Avg, peak
Input P1	84.5 - 108	>50 dB	<1.4 dB	50W., 3 kW
Input P2	148 - 300	>50 dB*	<1.8 dB	100W., 3 kW

*Isolation >40 dB in Range 148-160 MHz

Input J1/J2 VSWR:	<1.45:1 max., <1.30:1 typ
Impedance:	50Ω nominal
Housing Finish:	
Indoor/IP64:	Standard model Passivated Al.
Environment:	-35 to +65°C
Connectors:	Triplate

Microlab Model BK-05 series is a Diplexer which allows combination and separation of signals in the 84.5 - 108 MHz and 148 - 300 MHz wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. The Diplexer is designed using passive, proprietary techniques for low loss, low PIM and high reliability.



Note: Specifications are subject to change without prior notification.

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